

ABSTRACT OF THE DISCLOSURE

In converting image sensing data into image data, a plurality of image sensing data meeting a predetermined condition are processed as a group of image sensing data.

5 An image reproduction parameter is obtained from this image sensing data group, and each image sensing data of the image sensing data group is converted into image data by using the image reproduction parameter.

Accordingly, an image reproduction parameter for
10 obtaining an optimum reproduced image can be accurately set from the image sensing data group. Also, since a reproduction luminance level (range) is determined from the image sensing data group, the correlation between the luminances of image planes is not lost. This allows
15 an easy comparison of reproduced images and prevents the boundaries of luminances from becoming unnatural when the reproduced images are synthesized.